8. (twice amended) The method of claim 6, wherein, [depending on the separation system,] the detection is carried out by means chosen from the group consisting of ethidium bromide staining, silver staining, radiographic labeling followed by autoradiography [or by means of] and automatic sequencing equipment using dye- or fluorescence-labeled primers.

Please the following claims:

11. The set of claim 1, wherein the pairs of primers aprise all of the 233 primer pairs.

REMARKS

This is in response to the official action dated September 24, 1999. Reconsideration in view of the following is respectfully requested.

The examiner objects to the page numbering as not being consecutive. Applicant submits that the page

numbering is consecutive, but understands that some confusion may have arisen from the presence of a listing of the 233 primer base pairs in the specification (pages 4-12) and as part of claim 5 (pages 18-26). The listing on pages 18-26 was meant to be included in as part of claim 5; however, this entire listing is now canceled by the deletion of claim 5. The listing in the specification is substituted by a listing which now includes the SEQ ID NOS, and claims 1 and 6 are amended in this manner as well.

An abstract is added.

The examiner objects to use of the term "Tribus Triticae". This is clarified as the "tribe Triticeae" in the specification and claims. It is submitted that 'tribe' is an accepted taxonomical classification (below a subfamily; and above a genus) (see attachment "B", Merriam-Webster Dictionary). Furthermore, Triticeae is a known name for a tribe of plants, which includes several species, among them being Triticeae aestivum (see attachment "C", "Genera of the Triticeae as recognized by various taxonomists after 1930", Wheat Genetics Resource Center, Kansas State University, 24 August 1999).

Claims 1 and 6 have been substantially revised to address the examiner's concerns under section 112.

Furthermore, the limitations of claim 5 have been substantially incorporated into claim 1. It is noted that the omnibus rejection to claim 5 does not appear to be proper, as the examiner should have included the listing on pages 18-26 forming a part thereof. In any event, as specific primer pairs are set forth, the claim is not omnibus.

For claim 4, the sequences may mutate in random fashion, so as to result in lengths differing from each other (polymorphism). However, as the lengths of the individual sequences are known, and marked by primer pairs, they may be identified as mutations. There is no need to establish a pattern.

The claims stand rejected as being anticipated by the prior publication of Roder, under section 102. However, claims 1 and 6 as amended recite 233 specific primer pairs not taught or contemplated by this article. Roder teaches 15 pairs, but these are not included in the claims. Therefore, none of the claims are anticipated.

Furthermore, the article states (p. 332) that there is a major limitation regarding large-scale development of microsatellite markers in wheat. Therefore, the fact that the inventors have discovered the 233 pairs (and

corresponding number of markers) is surprising in view of this earlier prediction. Thus, the claims are not obvious.

Wherefore, allowance of all claims is earnestly solicited.

Rospectially Submireted

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20 Exchange Place, 37th Floor

New York, N.Y.10005

Telephone: (212)968-1300 Facsimile: (212)968-1307

(SEG. TID NO. 42) (SEC. ID NO. 44) 5' AAT AAG GAC ACA ATT GGG ATG G 3' (SEQ. 1D NO. 3^{4}) (SEQ. ID NO. 38) (SEQ. ID NO. 46) (SEQ, ID NO. 36) (SEQ. ID NO. 32) (SEQ. ID NO. 30) (SEQ. ID NO. 24) ID NO. 26) (SEQ. IDANO. 28) ID NO. 18) 5'CAA GTG GAG CATTAG GTA CAC G3' (SEQ. ID NO. 20) (SEQ. ID NO. 22) (SEC. ID NO. 1^{h}) (SEQ. ID NO. 16) (SEG. ID NO. 12) S'GAA AAA AAT TGC ATA TGA GCC C 3' (SEQ. ID NO. 8) (SEG. ID NO. 10) (SEQ. ID NO. 5' CGA TCA AGT AGT TGA AAG CGC 3' (SEQ. ID NO. 6) 5' TCA TGG ATG CAT CAC ATC CT 3 (SEQ. 1D NO. $^{\rm h}$) 5' TGC GGT GCT CTT CCA TTT 3' (SEQ. ID NO. 2) SEO SEO. 5' TGC ACA CTT AAA TTA CAT CCG C3' 5' GGT CTC AGG AGC AAG AAC AC 3' 5' CAA CCC TCT TAA TTT TGT TGG G 3' 5' GAG GGT CGG CCT ATA AGA CC 3' 5' GAT ATG TGA GCA GCG GTC AG 3' 5' ACC TGA.TCA GAT CCC ACT CG 3' 5' AAT GCA AAG TGA AAA ACC CG 3' S' GCC ATA TTT GAT GAC GCA TA 3' STGT TGG TGG CTT GAC TAT TG 3' 5' ATC CAT CGC CAT TGG AGT G 3' 5' CTC CCT AGA TGG GAG AAG GG 3' 5' CGC CCT GGG TGA TGA ATA GT 3' 5' TCC ATT GGC TTC TCT CTC AA 3' 5' AGT GGA TGC ACC GAC TTT G 3' 5' GCA TTG ACA GAT GCA CAC G 3' 5' GCC CAT TAC CGA GGA CAC 3' 5' ACC CTC TTG CCC GTG TTG 3'

> SEQ. ID NO. 19) (SEQ. ID NO. 21)

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(SEQ. ID NO. 15)

5' ACC ACA CAA ACA AGG TAA GCG 3' (SEQ.

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WMS057 WMS055

S' TCG ATT CTG AAA GGT TCA TCG 3'

5' GCA TCT GGT ACA CTA GCT GCC 3'

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S' CTA TGA GGC GGA GGT TGA AG 3'

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(SEQ. ID NO. 47) (SEQ. ID NO. 49)

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WMS108 WMS111

WMS107

WMS106 WMS102

5' ATT CGA GGT TAG GAG GAA GAG G3' (SEQ. ID NO. $\mu3$) 5' ACA AAC AGA AAA TCA AAA CCC G 3' (SEQ. ID NO. $^{14}5)$

5' CTA AAC ACG ACA GCG GTG G 3'

(SEG. ID NO. 41)

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5' AAG ATG GAC GTA TGC ATC ACA 3' (SEQ. ID NO.

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S' CAC TAC AAC TAT GCG CTC GC 3'

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5' GGC AGA GCA GCG AGA CTC 3'

5' AGT GGC TGG GAG AGT GTC AT 3'

5' AGG CCA GAA TCT GGG AAT G 3'

5' ACG TTA GAA GGT GCA ATG GG 3'

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5' TCT GTA GGC TCT CTC CGA CTG 3' (SEQ. ID NO. 39) S'CGA CAA TGG GGT CTT AGC AT 3' (SEQ. ID NO. 37)

s'att aat acc tga ggg agg tgc 3' (seg. id no. 35)

5' CTG TTC TTG CGT GGC ATT AA 3'

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5' AGC AGT GAG GAA GGG GAT C 3' 5' TAT TTG AAG CGG TTT GAT TT 3' 5' AAC AAA AAA TTA GGG CC 3' 5' AAT TTC ACT GCA TAC ACA AG 3' 5' CTG CCC AAT TTT CTC CAC TC 3' 5' GCA GGT AAT GGC CGG AC 3' 5' GCA CAT TTT TCA CTT TCG GG 3' 5' AAT GGT CAT TAT TCA CTT TCG GG 3' 5' AAT GGT CAT TAT TCA CTT TCG GG 3' 5' CCA CCA TTT TCA CTT TCG GG 3' 5' CCA CCA TTT TCA CTT TCG GG 3' 5' GCA CAT TTT TCA CTT TCG GG 3' 5' GCA CAT TTT TCA CTT TCG GG 3' 5' GCA CAT TTT TCA CTT TCG GG 3' 5' GCA GGG TGC GAA TGA GG 3' 5' GCA GAG TGA TCA ATG CCA GA 3' 5' GCC TAA TAA ACT GAA AAC GAG 3' 5' TGA CCC ACT TGC AAT TCA TC 3' 5' TGA CCC ACT TGC AAT TCA GG 3' 5' TGA CCC ACT TGC AAT TCA TG 3' 5' AGG ACT GTG GGG AAT GAT TG 3' 5' AGG ACT GTG GGG AAT GAT TG 3' 5' AGG ACT GTG GGG AAT GAT TG 3' 5' AGG ACT GTG GGG AAT GAT TG 3' 5' AGG ACT GTG GGG AAT GCT GG 3' 5' TTT GAC AAG TAC ACG AGT CTG C3' 5' TTT GAC AAG TAC ACG AGT CTG C3' 5' TTT GAC AAG TAC ACG AGT CTG C3' 5' TTT GAC AAG TAC ACG AGT CTG C3' 5' TTT GAC AAG TAC ACG ACT GG 3' 5' TTT GAC AAG TAC ACG AGT CTG C3' 5' TTT GAC AAG TAC ACG AGT CTG C3' 5' TTT GAC AAG TAC ACG ACT CTG C3' 5' TTT GAC ACG ACT CTG C3' 5' TTT CGC CTG C3' 5' TTT CTG CTG C3' 5' TTT CTG CTG C3' 5' TTT CTG C3' 5' TTT CTG CTG C3' 5' TTT CTG C3' 5' TTT CTG CTG
(SEQ. ID NO. 219) (SEQ. ID NO. 221) (SEQ. ID NO. 225) (SEQ. ID NO. 227) (SEQ. ID NO. 227) (SEQ. ID NO. 231) (SEQ. ID NO. 231) (SEQ. ID NO. 231) (SEQ. ID NO. 231) (SEQ. ID NO. 241) (SEQ. ID NO. 251)
5: ATT GGA CGG ACA GAT GCT TT 3' 5: AAC TTG CAA AAC TGT TCT GA 3' 5: AAT TTT CTT CCT CAC TTA TTCT 3' 5: AAT TTGC CTG AAG AAA ATA TT 3' 5: ATT TGC CTG AAG AAA ATA TT 3' 5: GGT GCT TCA TGA ACG CTC AA 3' 5: TTG GCC GTG TAA GGC AG 3' 5: AAT GAA AAA ACA CTT GGG TGG 3' 5: AAT GAA AAA ACA CTT GG TGG TGG 3' 5: AAT GAA AAA ACA CTT GG C 3' 5: TAC TGG TTC CCC ACT CTG C 3' 5: TAC TGG TTC ACG ACT CTG C 3' 5: TAC TGG TTC ACG ACT CTG C 3' 5: GGA TTG GAG TTA AGA GAG AAC CG 3' 5: GGA TTG GAG TTA AGA GAG AAC CG 3' 5: AAT TCA ACC TAC TCG CAC ACT CTG 3' 5: AAT TCA ACC TAC TCG CAC ACT CTG 3' 5: AAT TCA ACC TAC TCG CAC ACT CTG 3' 5: AAT TCA ACC TAC TACG GG 3' 5: ACT ACT TAG GAC ACT ACG 3' 5: ACT ACT TAG GAC ACT ACG 3' 5: ACT ACT TAG GAC ACT AAC 3' 5: ACG GAC TAG TAC AGG AGT AAC 3' 5: AGG AAA CAG AAA TAT CGC GG 3' 5: AGG AAA CAG AAA TAT CGC GG 3' 5: AGG AAA CAG AAA TAT CAC GG 3' 5: AGG AAA CAC AGC AGT AAC 3' 5: AGG AAA CAC AGC AGT AAC 3' 5: CAT GGA CTCC TCT GTG CCA C3' 5: CAT GGA CACT TTA AGT TTC AC 3' 5: CAT GGA CAT TTA AGT TTC AC 3' 5: CAT GGA CAT TTA AGT TTC AC 3' 5: CAT GGA CAT TTA AGT TTC AC 3' 5: CAT GGA CAT TTA AGT TTC AC 3' 5: CAT GGA CAT TTA AGT TTC AC 3' 5: CAT GGA CAT TTA AGT TTC AC 3' 5: CAT GGA CAT TTA AGT TTC AC 3' 5: CAT GGA CAT TTA AGT TTC AC 3' 5: CAT GGA CAT TTA AGT TTC AC 3' 5: CAA TGT GGA GGT GAA GGT GAG G3' 5: CAA TGT GGA GGT GAA GGT GAG G3' 5: CAA TGT GGA GGT GAA GGT GAG G3' 5: CAA TGT GGA GGT GGG GG
WMS273 WMS274 WMS275 WMS276 WMS281 WMS281 WMS281 WMS281 WMS281 WMS291 WMS291 WMS293 WMS299 WMS299 WMS299 WMS299 WMS296 WMS297 WMS301 WMS301

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119	131	193	165	231	150	123	187 (225)	108	183	159	132	133 (150)	169	131	203	230	146	179	224	123	164	217	126	249	188	170	>329
(SEQ. ID NO. 276)	(SEQ. ID NO. 278)	(SEC. ID NO. 280)	(SEQ. ID NO. 282)	(SEQ. ID NO. 284)	(SEQ. ID NO. 286)	(SEQ. ID NO. 288)	(SEQ. ID NO. 290)	(SEG. ID NO. 292)	(SEG. ID NO. 294)	(SEQ. ID NO. 296)	(SEQ. ID NO. 298)	(SEQ. ID NO. 300)	(SEQ. ID NO. 302)	(SEQ, ID NO. 304)	(SEG. ID NO. 306)	(SEQ. ID NO. 308)	(SEG. ID NO. 310)	(SEQ. ID NO. 312)	(SEQ. ID NO. 314)	(SEQ. ID NO. 316)	(SEG. ID NO. 318)	(SEQ. ID NO. 320)	(SEG. ID NO. 322)	(SEQ. ID NO. 324)	(SEQ. ID NO. 326)	(SEQ. ID NO. 328)	(SEQ. ID NO. 330)
5'TGC AGA AAA CCA ACA AGG G 3'	5' TIT TTA CGC GTC AAC GAC G 3'	5' CAC AAA CTC TTG ACA TGT GCG 3'	5' ACA TGT TTC ATG CAG GTA GCC 3'	5' AGT GCT GGA AAG AGT AGT GAA GC 3'	S' TIT CAG TIT GCG TITA AGC TIT G 3'	S' AAC ATG TGT TTT TAG CTA TC 3'	5' CGG TCC AAG TGC TAC CTT TC 3'	S' GTC TCT TTC TCG TAC TTC CAG G 3'	5' TGC TAA CTG GCC TTT GCC 3'	5' AAA CGA ACA ACC ACT CAA TC 3'	5' ACG AGG CAA GAA CAC ACA TG 3'	5' CCG ACA TCT CAT GGA TCC AC 3'	5' GGT CTA GCT TCG ACG ACA CC 3'	5' ATT TGA GTC TGA AGT TTG CA 3'	S' GCA TGT GGT CCA TGT ACT GC 3'	5' ATC GGT GCG TAC CAT CCT AC 3'	5' GCA TGG ATA GGA CGC CC 3'	5' CTT GGC CAG AAG CTA CGA AC 3'	5' CCA ATC AGC CTG CAA CAA C 3'	S' AGG CTG CAG CTC TTC TTC AG 3'	5' TCC GCT GTT GTT CTG ATC TC 3'	S' TAC TTG TGT TCT GGG ACA ATG G 3'	5' ACA AAG TGG CAA AAG GAG ACA 3'	S' AAT AAA ACC ATG AGC TCA CTT GC 3'	5' ACC GTG GGT GTT GTG AGC 3'	5' AGC TCA GCT TGC TTG GTA CC 3'	5' GAA GGA CGA CAT TCC ACC TG 3'
(SEQ. ID NO. 275)	(SEQ. ID NO. 277)	(SEQ. ID NO. 279)	(SEQ. ID NO. 281)	(SEQ. ID NO. 283)	(SEQ. ID NO. 285)	(SEQ. ID NO. 287)	(SEQ. ID NO. 289)	(SEQ. ID NO. 291)	(SEQ, ID NO. 293)	(SEQ. ID NO. 295)	(SEQ. ID NO. 297)	(SEQ. ID NO. 299)	(SEQ. ID NO. 301)	(SEQ. ID NO. 303)	(SEQ. ID NO. 305)	(SEQ. ID NO. 307)	(SEQ. ID NO. 309)	(SEQ. ID NO. 311)	(SEQ. ID NO. 313)	(SEG, ID NO. 315)	(SEQ. ID NO. 317)	(SEC. ID NO: 319)	(SEQ. ID NO. 321)	(SEQ. ID NO. 323)	(SEQ. ID NO. 325)	(SEQ. ID NO. 327)	(SEQ. ID NO. 329)
5' TCA CAA AAT GAT TTC TCA TCC G 3'	5' TITI CITI CIG TCG TTC TCT TCC C 3'	5' GCA ATC CAC GAG AAG AGA GG 3'	5' TTG CTA TCC ATG TGC CAG AG 3'	5' AGC CAG CAA GTC ACC AAA AC 3'	5' GCC CGG TCA TGT AAA ACG 3'	5' AAT TTC AAA AAG GAG AGA GA 3'	5' CGT ACT CCA CTC CAC ACG G 3'	5' CCC TIT AAT CTC GCT CCC TC 3'	5' CCT CTT CCT CCC TCA CTT AGC 3'	5' AAT TIT CIT CCT CAC TIA IT 3'	S' GCA ATC TIT TIT CTG ACC ACG 3'	5' TTC AGT GGT AGC GGT CGA G 3'	5' TAT CCA GAG CAG ACG GAC G 3'	5' CAA GGA AAT AGG CGG TAA CT 3'	S' CAA GCA AGG TITI CGT TITI ATC C 3'	5' GGC TTC CAG AAA ACA ACA GG 3'	5' ACC TCA TCC ACA TGT TCT ACG 3'	5' CCA TGT TGA GTA GGT TCA GCC 3'	5' AGC GTT CTT GGG AAT TAG AGA 3'	5' TAT GGT CAA AGT TGG ACC TCG 3'	5' AAA CAG CGG ATT TCA TCG AG 3'	S' CTA ATT GCA ACA GGT CAT GGG 3'	5' GTA ACT TGT TGC CAA AGG GG 3'	S' CCA TITI CAC CTA ATG CCT GC 3'	5' CTG CAG GCC ATG ATG ATG 3'	5' GAC CAA GAT ATT CAA ACT GGC C 3'	S' AAT AGA GCC CTG GGA CTG GG 3'
WMS322	WMS325	WMS328	WMS330	F WMS332	WMS333	WMS334	WMS335	WMS336	WMS337	WMS339	WMS340	WMS341	WMS342	WMS344	WMS346	WMS349	WMS350	WMS353	WMS356	WMS357	WMS358	WMS359	WMS361	WMS368	WMS369	WMS371	WMS372

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S' TCT AAT TAG CGT TGG CTG CC 3'	5' GGG ATG TCT GTT CCA TCT TAG C 3'	GAG 3'	5' CTA CGT GCA CCA CCA TTT TG 3'	5' GAC ATC AAT AAC CGT GGA TGG 3'	5' GCC AAG TIT CTT AGC TAG TTA A 3'	5' CAC CGC GTC AAC TAC TTA AGC 3'	5' TGC CAT GCA CAT TAG CAG AT 3'	5' TGA CAA GTA CAC GAG TCT GC 3'	5' ATG TGC ATG TCG GAC GC 3'	5' TCA AAT ACA CCA ATG TGC C 3'	5' TAC CAA CAC CCT AGC CCT TG 3' (S' CTG CAC TCT CGG TAT ACC AGC 3'	5' TGT AGG CAC TGC TTG GGA G 3'	5' ATA AAA CAG TGC GGT CCA GG 3'	5' GTA TAA TTC GTT CAC AGC ACG C 3' (5' CGA GAC CTT GAG GGT CTA GA 3'	5' CAA ACG GAA CAT GGT CCC 3'	5' ATG AAA CGC GAC CTC CC 3'	5 GAT CGT CTC GTC CTT GGC A 3'	5' CGA CAG TCG TCA CTT GCC TA 3'	5' TCG TTC TCC CAA GGC TTG 3'	GTG TTC AIT TGA CAG TT 3'	~	$\overline{}$	رج رج	5' GAT GTC CAA CAG TTA GCT TA 3'	5' TCA TGT CAA CTC AAG AAC ACG 3' (
((SEQ, ID NO. 331)	(SEQ. ID NO. 333)	ID NO. 33	(SEQ. ID NO. 337)	(SEQ. ID NO. 339)	(SEQ. ID NO. 341)	(SEG. ID NO. 343)	(SEQ. ID NO. 345)	(SEQ. ID NO. 347)	(SEG. ID NO. 349)	(SEQ. ID NO. 351)	. ID NO. 35	(SEQ. ID NO. 355)	(SEQ. ID NO. 357)	ID NO.	(SEG. ID NO. 361)	ID NO. 36	(SEG. ID NO. 365)	(SEQ. ID NO. 367)	(SEQ. ID NO. 369)	. ID NO. 3	(SEQ. ID NO. 373)	. ID NO. 37	(SEQ. ID NO. 377)	(SEQ. ID NO. 379)	. ID NO. 3	ID NO. 38	(SEQ. ID NO. 385)
S' ATA GTG TGT TGC ATG CTG TGT G3' ((SEQ.	S' ATT GGC GAC TCT AGC ATA TAC G 3'	5' GGG CTA GAA AAC AGG AAG GC 3'	S' GTC AGA TAA CGC CGT CCA AT 3'	S' ACG CCA GTT GAT CCG TAA AC 3'	5'TTT TCA TTG TGC CCT CTA CT 3'	5' CTA CAA TTC GAA GGA GAG GGG 3' ('n	- .		נים ז			ř.		_	ň	300 3'		S'GAG CCC ACA AGC TGG CA 3'	ICA GA 3/			S'ATG AGT TCC GCC AAA GAA TG3' ()		S CEI AIG GIC ICE AIC AIG AGG 3.
WMS374	WMS375	WMS376	WM5382	-WMS383	WMS384	WMS388	WMS389	WMS390	WMS391	WMS393	WMS395	WM339/	WMS400	WMS403	WMS408	WMS410	WMS411	WMS412	WMS413	WMS415	WMS425	WMS4Z7	WMS428	WMS429	WMS434	11 to 10	W1555440

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134 192 231 151 151 113 >156 149 >156 149 148 148 148 145 172 188 145 172 185 144 174 174 174 174 174 177
(SEQ. ID NO. 388) (SEQ. ID NO. 390) (SEQ. ID NO. 392) (SEQ. ID NO. 394) (SEQ. ID NO. 394) (SEQ. ID NO. 400) 31 (SEQ. ID NO. 400) (SEQ. ID NO. 412) (SEQ. ID NO. 412) (SEQ. ID NO. 412) (SEQ. ID NO. 416) (SEQ. ID NO. 416) (SEQ. ID NO. 418) 31 (SEQ. ID NO. 420) 32 (SEQ. ID NO. 420) 33 (SEQ. ID NO. 420) (SEQ. ID NO. 420) (SEQ. ID NO. 420) (SEQ. ID NO. 428) (SEQ. ID NO. 428) (SEQ. ID NO. 428) (SEQ. ID NO. 430) (SEQ. ID NO. 438)
s' CCA TGA TTT ATA AAT TCC ACC 3' s' CCT TAA CAC TTG CTG GTA GTG A' s' CAC ATG GCA TCA CAT TTG TG 3' s' ACG GAG AGC AAC CTG CC 3' s' TGC TCT CTC TGA ACC TGA AGC 3' s' TGC TCT CTC TGA CCAA CTT CTC (3' s' AGC TTC TCT GAC CAA CTT CTC (3' s' CGA TAA CCA CTC ATC CAC ACC 3' s' CGA TAA CCA CTC ATC CAC ACC 3' s' TTC GCA ATT TTC CAT TTT GC 3' s' TTC CTG GAG TTC CAT TTT GC 3' s' TTC CTG GAG TTC CAT TTT GC 3' s' TTC CTG GAG CTG TCC ATC CC 3' s' TTC CTG GAG CTG TCC AGC 3' s' TTC CTG GAG CTG TCC TC G3' s' TTC CTG GAG CTG TCC TC G3' s' TCC TC GAG CTG TCC TC GG C' s' GGG GAG TGG AAA CTG GC AAC s' GGG GAG TGG AAA CTG CCA AAC s' GGG GAG TGG AAA CTG CAT AG s' GGG GAG TGG AAA CTG CAT AG s' GGG GAG TGG AAA CTG CCA TCG s' GAA CTT GGG TGA TAT GGC ACC s' GAA CTT GGG TGA TGG CAT TG s' GGG GAG TGG AAA CTG CAT AG s' GGG GAG TGG AAA CTG CAT AG s' GGG GAG TGG AAA CTG CAT TGG s' GAA CTT TTG GG CAT TGG CCA TGG s' GTT CTT TTG GG GAA AGG CG s' S' CTT GCT TTA GGG GAA AAG CG s' S' GTT GCT TTA GGG GAA AAG CG s' GCT TTT GTG TTAA GG CAT TAA GG s' GCC ACT TTT GTG TCT TAA GG
5' GGG TCT TCA TCC GGA ACT CT 3' (SEQ. ID NO. 389) 5' TAT GTT GGG GGT TAG GAT TAG 3' (SEQ. ID NO. 393) 5' AAA CCA TAT TGG GAG GAA AGG 3' (SEQ. ID NO. 395) 5' ATT CGG TTC GCT AGC TAC CA 3' (SEQ. ID NO. 395) 5' ACT GAA CAT TAG AAG ACA TAG C3' (SEQ. ID NO. 397) 5' ACT GAA CT TAC ACA ACC CTG A 3' (SEQ. ID NO. 399) 5' CAA CTC AGT GCT CAC TAT GAA 3' (SEQ. ID NO. 403) 5' CAA CTC AGT GCT CAC ACG TTT GAA 3' (SEQ. ID NO. 405) 5' CAA CTC AGT GCT TAC ACA ACG 3' (SEQ. ID NO. 405) 5' TCA TAC GGG TAT GGT TAC AGG GGA C3' (SEQ. ID NO. 405) 5' ACT GGC TAT CAC AAC CG3' (SEQ. ID NO. 405) 5' ACT GGT TAC TAC AGA AGC G3' (SEQ. ID NO. 401) 5' ACT TGT ACA AAC CG3' (SEQ. ID NO. 413) 5' ACT TGT AAG ACA AGG GCA TT 3' (SEQ. ID NO. 413) 5' ACT TGT ATG CTC CAT TGA TGG G3' (SEQ. ID NO. 421) 5' ACT TGT AGG CCT AAAT T3' (SEQ. ID NO. 421) 5' AACT GCA AAG GCC TAA AAT T3' (SEQ. ID NO. 421) 5' AACT GCA AAG GCC TAA AAT T3' (SEQ. ID NO. 421) 5' AACT GCA AAG GCC TAA AAT T3' (SEQ. ID NO. 421) 5' AACT GCA AAG GCG TGA AAT T3' (SEQ. ID NO. 421) 5' AAA TAG GAC AAG GCG TGA CA' 5' AAG GCG AAT CAA AGG GAAT A3' (SEQ. ID NO. 421) 5' AAG GCG AAT GCA CAAC GG T' 5' AAG GCG AAT CAA AGG GAAT A3' (SEQ. ID NO. 421) 5' AAG GCG AAT GAAT CAAAC GG' 6' SEQ. ID NO. 421 6' AAG GCG AAT CAA AGG GAAT A3' (SEQ. ID NO. 421) 6' AAG TAA TGC TTC CTG TGC ACC 3' (SEQ. ID NO. 421) 6' GCA TTT CGG GTG AAT CTTT CTG TGC ACC 3' (SEQ. ID NO. 421) 6' GCA TTT CGG GTG AAT CTTT CTG TGC ACC 3' (SEQ. ID NO. 421) 6' GCA TTT CGG GTG AAT CTTT CTG TGC ACC 3' (SEQ. ID NO. 421) 6' GCA TTT CGG GTG AAT CTTT CTG TGC ACC 3' (SEQ. ID NO. 421) 6' GCA TTT CGG GTG AAT CTTT CTTT CTG TGC ACC 3' (SEQ. ID NO. 421) 6' GCA TTT CGG TGG AAT CTTT CTTT CTG TGC ACC 3' (SEQ. ID NO. 421) 6' GCA TTT CGG TGG AAT CTTT CTTT CTTT CTTT
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167	150	160	142	130	134	143	212	133	151	165	102	
TO NO. HAH)		TD NO. 445)	1D NO. 44-7	ID NO. 4440	(SEQ. ID MO. 471)	T3' (SEQ. ID NO. 453) SICAMITICACIONOS CINCOS.		NO. 4.1.	ID NO. 459) 5 ICI II CARC CCC ARC II CIII C C C C C C C C C C C C C C C	(SEQ. ID NO. 461) SICIIAR GOOGLA INTERNATIONAL AND CAR CATOOTTO ST		
	WMS544	WMS550	WMS554	WMS565	WMS566	WMS569	WMS570	WMS573	WMS577	WMS582	WMS583 WMS588	

* 'CS' Weizensorte 'Chinese Spring'